

Converting Colors

CIELCh(29, 3.138, 324.677)

Have a look what the booklet for
CIELCh(29, 3.138, 324.677) contains.

CIELCh(29, 3.138, 324.677)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(29, 3.138, 324.677)

Conversions

Conversions Part 1

Format	Color
Hex	474347
RGB	71, 67, 71
RGB Percent	28%, 26%, 28%
CMY	0.7209, 0.7366, 0.7209
CMYK	0.00, 0.06, 0.00, 0.72
HSL	300°, 3%, 27%
HSV	300°, 6%, 28%
XYZ	5.7715, 5.8380, 6.8130
YIQ	68.6520, 1.1000, 2.0920

Conversions

Conversions Part 2

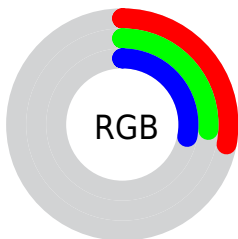
Format	Color
R_YB	71, 67, 71
Decimal	4670279
CIE Lab	29.00, 2.56, -1.81
CIE LCh	29, 3.138, 324.677
Yxy	5.8380, 0.3133, 0.3169
Android (android.graphics.Color)	4282860359 (0xFF474347)
YUV	68.6520, 1.1576, 2.0592
Hunter-Lab	24.1619, 0.3543, 0.1951

Details

The CIELCh color **29, 3.138, 324.677** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **30, 3.129, 144.198**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **49, 2.867, 324.556**, and **9, 3.623, 324.978** is the 20% darker color. If you saturate the color by 10%, you get **27, 8.759, 325.190**, and if you desaturate by 10%, it is **31, 2.417, 144.284**.

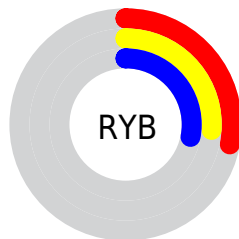
Distribution



Red (28%)

Green (26%)

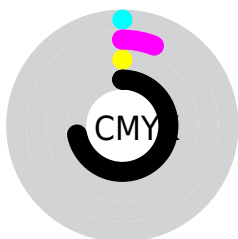
Blue (28%)



Red (28%)

Yellow (26%)

Blue (28%)

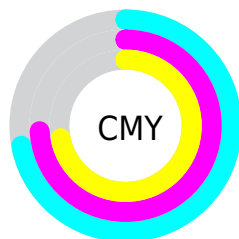


Cyan (0%)

Magenta (6%)

Yellow (0%)

Black (72%)



Cyan (72%)

Magenta (74%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 3.138, 324.677 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 29, 3.138, 324.677 by changing the saturation by 10% instead.

■ 29, 3.138, 324.677

■ 29, 3.138, 324.677

100, 3.138,
324.677

■ 19, 3.138, 324.677

■ 49, 3.138, 324.677

■ 9, 3.138, 324.677

■ 59, 3.138, 324.677

■ 0, 3.138, 324.677

■ 69, 3.138, 324.677

■ 79, 3.138, 324.677

■ 89, 3.138, 324.677

■ 99, 3.138, 324.677

■ 29, 3.138, 324.677

■ 29, 3.138, 324.677

27, 8.759, 325.190

31, 2.417, 144.284

25, 14.394,
325.680

33, 7.863, 143.775

23, 19.960,
326.155

36, 13.180,
143.311

21, 25.347,
326.605

38, 18.355,
142.869

19, 30.418,
327.020

40, 23.382,
142.448

18, 35.007,
327.386

43, 28.261,
142.049

17, 38.941,
327.694

45, 32.996,
141.673

16, 42.065,
327.934

47, 37.591,
141.320

15, 44.802,
328.140

50, 42.054,
140.989

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



29, 3.138, 324.677



30, 3.129, 144.198

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



29, 3.138, 324.677



29, 3.138, 14.677



29, 3.138, 144.677



29, 3.138, 194.677

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



29, 3.137, 324.677



38, 1.378, 324.438



29, 2.584, 290.686



19, 0.772, 324.412



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29, 3.137, 324.677



37, 4.829, 324.766



29, 2.205, 343.973



13, 2.496, 324.745



22, 57.931, 328.234



54, 105.820, 328.234

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



29, 3.137, 324.677



37, 4.829, 324.766



30, 2.185, 163.330



13, 2.496, 324.745



22, 57.931, 328.234



54, 105.820, 328.234

Previews

White Background



This preview shows how the CIELCh color 29, 3.138, 324.677 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 29, 3.138, 324.677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

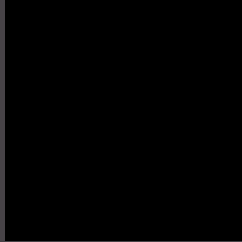
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 29, 3.138, 324.677

Background



This preview shows how black text looks on a background with the CIELCh color 29, 3.138, 324.677.



This preview shows how white text looks on a background with the CIELCh color 29, 3.138, 324.677.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color


29, 3.138, 324.677

Protanopia

29, 2.621, 300.216

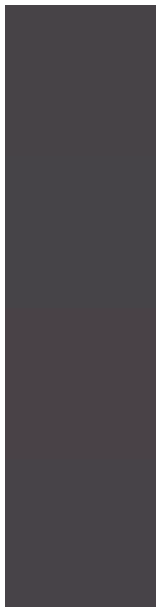
Deuteranopia

29, 4.802, 338.163



Tritanopia
29, 3.686, 319.056

Trichromacy



Original Color

29, 3.138, 324.677

Protanomaly

29, 2.732, 309.265

Deuteranomaly

29, 4.484, 334.255

Tritanomaly

29, 3.686, 319.056

Monochromacy



Original Color

29, 3.138, 324.677

Achromatopsia

29, 0.005, 296.813

Achromatomaly

29, 1.571, 324.503

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 3.138, 324.677 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(71, 67, 71)` looks like.

```
.text, #text, p{  
    color:rgb(71, 67, 71)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(71, 67, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 67, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 3.138, 324.677 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(71, 67, 71) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(71, 67, 71) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(71, 67, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 67, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 67, 71);  
box-shadow:4px 4px 4px 4px rgb(71, 67, 71)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 3.138, 324.677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 67, 71) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(71, 67,  
71) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor